CLAIMS

Therefore, having thus described the invention, at least the following is claimed:

1   1.   A method for a computer to deliver an electronic document to an Internet

2   appliance, the method comprising the steps of:

3   receiving a request for a document address for the document;

4   dynamically assigning a single-use document address to the requested

5   document;

6   receiving an access request for the document from the Internet

7   appliance via the assigned single-use document address;

8   sending the requested document to the Internet appliance; and

9   deleting the single-use document address assigned to the requested

10   document after the requested document has been sent to the Internet appliance.

1   2.   The method of claim 1, further comprising the step of:

2   granting access to the document according to a password submitted to

3   the computer.

1   3.   The method of claim 1, further comprising the steps of:

2   receiving an encryption key for encrypting the requested document;

3   and

4   encrypting the requested document according to the encryption key.

1 4.   The method of claim 1, further comprising the step of:

2   sending a message from the computer to a requesting source containing

3   the single-use document address assigned to the requested document.

1 5.   The method of claim 1, wherein the computer is an Internet web server

2   computer.

1 6.   The method of claim 1, wherein the document address is a uniform resource

2   locator address.

1 7.   A method for making a document that is stored on a remote server to be

2   accessible on the Internet according to a temporary document address assigned to the

3   document, the method comprising the steps of:

4   issuing a request to the remote server to retrieve the document and

5   return a temporary document address assigned to the document; and

6   receiving the temporary document address from the remote server,

7   wherein the document is accessible on the Internet according to the temporary

8   document address assigned to the document; and

9   communicating the received temporary document address to a remote

10   Internet appliance, wherein the Internet appliance retrieves the document from

11   the remote server according to the received temporary document address.

1   8.   The method of claim 7, further comprising the step of:

2   communicating authentication information to the remote server to gain

3   access to the remote server.

1   9.   The method of claim 7, further comprising the step of:

2   communicating an encryption key to the remote server for encrypting

3   the document assigned the temporary document address on the remote server.

1   10.   The method of claim 7, wherein the temporary document address is a uniform

2   resource locator address.

1 11.   A method for making a document available on the Internet according to a

2 dynamically assigned single-use document address, comprising the steps of:

3   generating a request to a web server for the document from a

4 requesting device;

5   retrieving the document from a storage location upon receipt of the

6 request;

7   dynamically assigning a single-use document address to the retrieved

8 document;

9   sending the single-use document address to the requesting device,

10 wherein the single-use document address is communicated to an Internet

11 appliance;

12   downloading the retrieved document from the web server according to

13 the single-use document address; and

14   terminating the single-use document address after downloading the

15 retrieved document.

1 12.   The method of claim 11, further comprising the step of:

2   communicating the single-use document address to the web server to

3 access the document.

1 13.   The method of claim 11, further comprising the step of:

2   determining whether the requesting device can access the web server

3 by validating authentication information included in the request.

1   14.   The method of claim 11, further comprising the step of:

2   encrypting the retrieved document according to encryption information

3   included in the request.

1   15.   The method of claim 14, further comprising the steps of:

2   communicating a decryption key from the requesting device to the

3   Internet appliance; and

4   decrypting the retrieved document received from the web server

5   according to the decryption key.

1   16.   The method of claim 11, wherein the single-use document address is a

2   uniform resource locator address.

1   17.   A system to deliver an electronic document to a remote Internet appliance,

2   comprising:

3   logic configured to receive a request for the document from a

4   requesting source;

5   logic configured to dynamically assign a single-use document address

6   to the requested document;

7   logic configured to send the document to the remote Internet appliance

8   upon receipt of a request for the document via the assigned single-use

9   document address; and

10   logic configured to delete the single-use document address assigned to

11   the requested document after the requested document has been sent to the

12   remote Internet appliance.

1 18. The system of claim 17, further comprising:

2   logic configured to grant access to the requesting source by validating

3 a password submitted by the requesting source to the computer.

1 19. The system of claim 17, further comprising:

2   logic configured to receive an encryption key from the requesting

3 source; and

4   logic configured to encrypt the requested document according to the

5 encryption key.

1 20. The system of claim 17, further comprising:

2   logic configured to send a message to the requesting source containing

3 the single-use document address assigned to the requested document.

1 21. The system of claim 17, wherein the single-use document address is a uniform

2 resource locator address.

1   22.   A system for making a document available on the Internet according to a

2   dynamically assigned single-use document address, comprising:

3   logic configured to generate a request to a web server for the document

4   from a requesting device;

5   logic configured to implement the web server to retrieve the document

6   from a secure storage location upon receipt of the request;

7   logic configured to implement the web server to dynamically assign a

8   single-use document address to the retrieved document;

9   logic configured to implement the web server to send the single-use

10   document address to the requesting device;

11   logic configured to implement the requesting device to communicate

12   the single-use document address to an Internet appliance;

13   logic configured to implement the Internet appliance to download the

14   retrieved document from the web server according to the single-use document

15   address; and

16   logic configured to implement the web server to terminate the single-

17   use document address after downloading the retrieved document to the

18   Internet appliance.

1   23.   The system of claim 22, further comprising:

2   logic configured to implement the web server to authenticate the

3   requesting device according to authentication information included in the

4   request.

1 24. The system of claim 22, further comprising:

2   logic configured to implement the web server to encrypt the retrieved

3 document according to encryption information included in the request.

1 25. The system of claim 24, further comprising:

2   logic configured to implement the requesting device to communicate a

3 decryption key to the Internet appliance; and

4   logic configured to implement the Internet appliance to decrypt the

5 retrieved document received from the web server.

1 26. The system of claim 22, wherein the single-use document address is a uniform

2 resource locator address.

1 27. A system for making a document available on the Internet according to a

2 dynamically assigned single-use document address, comprising:

3   means for requesting the document;

4   means for retrieving the document from a secure storage location upon

5 receipt of the request;

6   means for dynamically assigning a single-use document address to the

7 retrieved document;

8   means for downloading the retrieved document according to the single-

9 use document address; and

10   means for terminating the single-use document address after

11 downloading the retrieved document.

1 28.   The system of claim 27, further comprising:

2   means for encrypting the retrieved document according to encryption

3   information; and

4   means for decrypting the retrieved document.

1 29.   A method for an Internet appliance to retrieve a document on the Internet

2   according to a dynamically assigned single-use document address, comprising the

3   steps of:

4   receiving a single-use document address assigned to the document;

5   requesting the document from a server computer by the single-use

6   document address;

7   downloading the document from the server computer upon gaining

8   access to the document with the single-use document address; and

9   manipulating the document downloaded from the server computer.

1 30.   The method of claim 29, further comprising the step of:

2   decrypting the downloaded document received from the server

3   computer according to a decryption key.

1 31.   The method of claim 29, wherein the manipulating step further comprises

2   printing the downloaded document.

1 32.   The method of claim 29, wherein the Internet appliance is a video display unit

2   that displays an image of the downloaded document.

1 33. A system for an Internet appliance to retrieve a document on the Internet

2 according to a dynamically assigned single-use document address, comprising:

3   logic configured to receive a single-use document address assigned to

4 the document;

5   logic configured to request the document from a server computer by

6 the single-use document address;

7   logic configured to download the document from the server computer

8 upon gaining access to the document with the single-use document address;

9 and

10   logic configured to manipulate the document downloaded from the

11 server computer.

1 34. The system of claim 33, further comprising:

2   logic configured to decrypt the downloaded document received from

3 the server computer according to a decryption key.

1 35. The method of claim 33, wherein said logic configured to manipulate the

2 downloaded document comprises printing the downloaded document.

1 36. The system of claim 33, wherein the Internet appliance is a video display unit

2 that displays an image of the downloaded document.